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("recursive query" and  
dependency and graph)

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### 1 [On the equivalence of recursive and nonrecursive datalog programs](#)

Surajit Chaudhuri, Moshe Y. Vardi  
July 1992 PODS '92: Proceedings of the eleventh ACM SIGACT-SIGMOD-SIGART  
symposium on Principles of database systems

**Publisher:** ACM

Full text available: [pdf\(980.01 KB\)](#)

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We study the problem of determining whether a given recursive Datalog program is equivalent to a given nonrecursive Datalog program. We prove triply exponential upper and lower time bounds.

## 2 The CORAL deductive system

Raghu Ramakrishnan, Divesh Srivastava, S. Sudarshan, Praveen Seshadri  
April The VLDB Journal — The International Journal on Very Large Data  
1994 Bases, Volume 3 Issue 2

**Publisher:** Springer-Verlag New York, Inc.

Full text available:  [pdf\(3.03 MB\)](#)

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CORAL is a deductive system that supports a rich declarative language, and an interface to C++, which allows for a combination of declarative and imperative programming. A CORAL declarative program can be organized as a collection of interacting modules. ...

**Keywords:** deductive database, logic programming system, query language

## 3 An abstract machine for tabled execution of fixed-order stratified logic programs



Konstantinos Sagonas, Terrance Swift

May ACM Transactions on Programming Languages and Systems (TOPLAS),  
1998 Volume 20 Issue 3

**Publisher:** ACM

Full text available:  [pdf\(602.38 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#),  
[index terms](#), [review](#)

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 31, Citation Count: 8

SLG resolution uses tabling to evaluate nonfloundering normal logic programs according to the well-founded semantics. The SLG-WAM, which forms the engine of the XSB system, can compute in-memory recursive queries an order of magnitude faster ...

**Keywords:** SLG, WAM, memoing, prolog, stratification theories, tabling


## 4 Attribute agreement



Y. C. Tay

March PODS '89: Proceedings of the eighth ACM SIGACT-SIGMOD-SIGART  
1989 symposium on Principles of database systems

**Publisher:** ACM

Full text available:  [pdf\(593.13 KB\)](#)

Additional Information: [full citation](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 13, Citation Count: 0

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